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I, JULIE BILLINGSLEY, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2002952326 for a patent by JOHN DOMINIC PERRIER as filed on 28 October 2002.

WITNESS my hand this
Fourth day of November 2003

J. Billingsley

JULIE BILLINGSLEY
TEAM LEADER EXAMINATION
SUPPORT AND SALES

Application for Provisional Patent

Title: RESUSS-C device and sound head applicator

Description

This invention resides in a method of inducing coughing. This includes:

- Providing an ultrasonic apparatus as described below
- Engaging the sound head applicator of the apparatus with the front of a subject's neck. The unique design of the applicator head allows for correct positioning and therefore optimal transmission of the ultrasonic waves into the neck of the subject
- Energize the apparatus to produce ultrasonic waves.

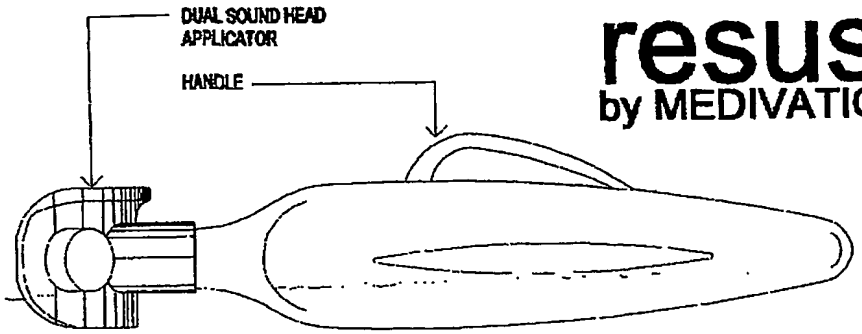
The RESUSS-C stimulator (Reflexive External Spontaneous Ultra Sonically Stimulated Cough) is a medical device designed to emit Ultrasonic sound waves. The device is small, portable and about the size of a large torch with appropriate electronics housed within. The device housing will be polyurethane or some similar material. A simple push button triggers a burst of Ultrasound waves.

The RESUSS-C Applicator Head is an apparatus made from polyurethane or other suitable material. The apparatus is cupped at one end in a concave manner. This concave section is designed to fit the contours of the human neck. The top of the apparatus (normal to the concave surface) is curved backwards away from the neck. This curved plastic lip sits against the bottom of the subject's chin and allows the apparatus to be placed in the correct position for application. Recessed within the plastic moulding and facing inwards towards the subject's neck will be two ultrasound transducers.

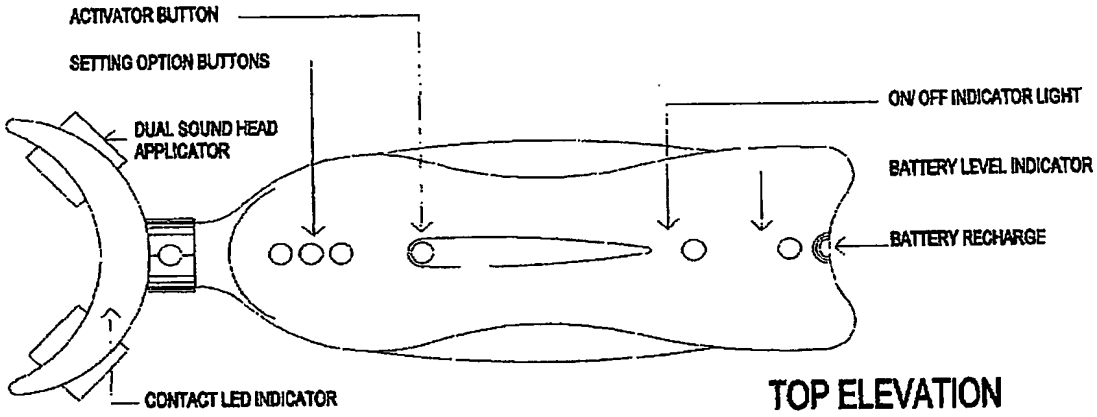
Claims

1. The RESUSS-C device delivers a burst of ultrasonic waves through the applicator head into the neck of subject. The ultrasonic waves then stimulate a cough reflex.
2. The concave front surface of the RESUSS-C Applicator Head conforms to typical curves of the human neck.
3. When engaged in the intended fashion, the RESUSS-C Applicator Head's upper curved lip sits against the bottom of the patients jaw.
4. The upper curved lip, in conjunction with the concave shape of the front face, positions the sound heads to the section of the subject's throat that is most likely to stimulate a cough reflex.

resuss- C
by MEDIVATIONS



SIDE ELEVATION



TOP ELEVATION